

## SEQUENCE LISTING

<110> Institut Pasteur  
Institut National de la Santé et de la Recherche Médicale  
(INSERM)

<120> Répertoire determination of a lymphocyte B population

<130> D21747

<150> EP 03/293,159  
<151> 2003-12-15

<150> US 10/734,622  
<151> 2003-12-15

<160> 47

<170> PatentIn version 3.2

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specific for the nucleic acid encoding a VH segment of the VH1  
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specific for the nucleic acid encoding a VH segment of the VH1  
subgroup"

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agtgaagggtt tcctgcaagg c

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specific for the nucleic acid encoding a VH segment of the VH1 subgroup"

<400> 3  
agtgaarrtc tcctgcaagg t

21

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<400> 4  
aaccacacaa gaccctcac

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<213> Artificial

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<223> /note="description of artificial sequence: Forward primer HUMVH3aa specific for the nucleic acid encoding a VH segment of the VH3a subgroup"

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gcagattcac catctcaaga gatg

24

<210> 6  
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<223> /note="description of artificial sequence: Forward primer HUMVH3ab specific for the nucleic acid encoding a VH segment of the VH3a subgroup"

<400> 6  
gcaggttcac catctccaga gatg

24

<210> 7  
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HUMVH3ba specific for the nucleic acid encoding a VH segment of  
the VH3b subgroup"

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22

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HUMVH3bb specific for the nucleic acid encoding a VH segment of  
the VH3b subgroup"

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<223> /note="description of artificial sequence: Forward primer  
HUMVH3bc specific for the nucleic acid encoding a VH segment of  
the VH3b subgroup"

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gccgattcac catctccagg ga

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HUMVH3bd specific for the nucleic acid encoding a VH segment of  
the VH3b subgroup"

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<222> (1)..(22)

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specific for the nucleic acid encoding a VH segment of the VH4  
subgroup"

<400> 11

ctacaaccgg tccctcaaga gt

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specific for the nucleic acid encoding a VH segment of the VH4  
subgroup"

<400> 12

ctacaaccgg tccctcaaga gt

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<210> 13

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<213> Artificial

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<222> (1)..(18)

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specific for the nucleic acid encoding a VH segment of the VH5  
subgroup"

<400> 13

gtgaaaaagc ccggggag

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<210> 14

<211> 18

<212> DNA

<213> Artificial

<220>

<221> source

<222> (1)..(18)

<223> /note="description of artificial sequence: Forward primer HUMVH6  
specific for the nucleic acid encoding a VH segment of the VH6  
subgroup"

<400> 14

tccggggaca gtgtctct

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specific for the nucleic acid encoding a VH segment of the VH7  
subgroup"

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<223> /note="description of artificial sequence: Reverse primer IGJH1  
specific for the nucleic acid encoding a JH segment of the JH1  
subgroup"

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specific for the nucleic acid encoding a JH segment of the JH2  
subgroup"

<400> 17  
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<223> /note="description of artificial sequence: Reverse primer IGJH3  
specific for the nucleic acid encoding a JH segment of the JH3  
subgroup"

<400> 18

cccttggccc cagayatcaa aag

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<220>  
<221> source  
<222> (1)..(19)  
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specific for the nucleic acid encoding a JH segment of the JH4  
subgroup"

<400> 19  
ggttcccttgg ccccaagtag

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<212> DNA  
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<220>  
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specific for the nucleic acid encoding a JH segment of the JH4  
subgroup"

<400> 20  
ggttcccttgg ccccaagtag

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<212> DNA  
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<220>  
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specific for the nucleic acid encoding a JH segment of the JH4  
subgroup"

<400> 21  
ggtcccttgg ccccaagtag

19

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<220>  
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<222> (1)..(18)  
<223> /note="description of artificial sequence: Reverse primer IGJH5  
specific for the nucleic acid encoding a JH segment of the JH5

subgroup"

<400> 22  
tggcccccagg rgtcgaac

18

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<212> DNA  
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<222> (1)..(20)  
<223> /note="description of artificial sequence: Reverse primer IGJH6.1  
specific for the nucleic acid encoding a JH segment of the JH6  
subgroup"

<400> 23  
ccttgccccc agacgtccat

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specific for the nucleic acid encoding a JH segment of the JH6  
subgroup"

<400> 24  
ccttgccccc agacgtccat

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specific for the nucleic acid encoding a JH segment of the JH6  
subgroup"

<400> 25  
cctttgcccc agacgtccat

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<223> /note="description of artificial sequence: Reverse primer HIGCM  
specific for the nucleic acid encoding a CH segment of the IgM  
heavy chain"

<400> 26  
cagccaaacgg ccacgc

16

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<223> /note="description of artificial sequence: Reverse primer HIGCGa  
specific for the nucleic acid encoding a CH segment of the IgG  
heavy chain"

<400> 27  
tcagagcgcc tgagttcca

19

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specific for the nucleic acid encoding a CH segment of the IgG  
heavy chain"

<400> 28  
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19

<210> 29  
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<220>  
<221> source  
<222> (1)..(15)  
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specific for the nucleic acid encoding the CH segment of the IgM  
heavy chain "

<400> 29  
ccgtcggata cgagc

15

<210> 30  
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<220>

<221> source

<222> (1)..(19)

<223> /note="description of artificial sequence: Reverse probe HCM  
specific for the nucleic acid encoding the CH segment of the IgM  
heavy chain"

<400> 30

ggagacgagg gggaaaagg

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<210> 31

<211> 18

<212> DNA

<213> Artificial

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<222> (1)..(18)

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primer specific for the nucleic acid encoding a VH segment of the  
VH5 subgroup"

<400> 31

agcccgaaaa gtctctga

18

<210> 32

<211> 17

<212> DNA

<213> Artificial

<220>

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specific for the nucleic acid encoding a VH segment of the VH5  
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<400> 32

acccttacag gagatct

17

<210> 33

<211> 20

<212> DNA

<213> Artificial

<220>

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<222> (1)..(20)

<223> /note="description of artificial sequence: CH reverse primer  
HIGCE1 specific for the nucleic acid encoding a CH segment of the  
IgE"

<400> 33

tcacggaggt ggcattggag

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<210> 34  
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<212> DNA  
<213> Artificial  
  
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<400> 35  
aagttagtcct tgaccaggca gc 22

<210> 36  
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<223> /note="description of artificial sequence: CH reverse hydrolysis probe HIGCE1-MGB specific for the nucleic acid encoding a CH segment of the IgE"

<400> 36  
tgctgcaaaa acattc 16

<210> 37  
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<400> 37  
cgggtcaagg ggaagacgg 19

<210> 38  
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<223> /note="description of artificial sequence: Amino acid CDR3 sequence of the clonal expansion A"

<400> 38

Thr His Ile Gly Tyr Ser Ala Ala Gly Trp Tyr Phe Asp Leu  
1 5 10

<210> 39  
<211> 25  
<212> PRT  
<213> Artificial

<220>  
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<400> 39

Leu Gly Tyr Cys Ser Gly Gly Ser Cys Tyr Gly Val Gly Cys Gly Ala  
1 5 10 15

Asp Cys Tyr Arg Glu Tyr Phe Gln Asp  
20 25

<210> 40  
<211> 18  
<212> DNA  
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<220>  
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<222> 1..18  
  
<223> /note="Description of artificial sequence: Reverse primer HIGCGint1 specific for the nucleic acid encoding a CH segment of the IgG heavy chain

<400> 40  
agggggagaaga csgatggg 18

<210> 41  
<211> 19  
<212> DNA  
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<220>  
<221> source

<222> 1..19

<223> /note="Description of artificial sequence: Reverse primer HIGCGint2 specific for the nucleic acid encoding a CH segment of the IgG heavy chain

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<211> 22

<212> DNA

<213> Artificial

<220>

<221> source

<222> 1..22

<223> /note="Description of artificial sequence: Reverse primer HIGCE4 specific for the nucleic acid encoding a CH segment of the IgE heavy chain

<400> 42

gtgggtggctg gtaaggcat ag

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<211> 15

<212> DNA

<213> Artificial

<220>

<221> source

<222> 1..15

<223> /note="Description of artificial sequence: CH reverse hydrolysis probe HIGCE4 specific for the nucleic acid encoding a CH segment of the IgE heavy chain

<400> 43

ctccctcaac gggac

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<210> 44

<211> 20

<212> DNA

<213> Artificial

<220>

<221> source

<222> 1..20

<223> /note="Description of artificial sequence: Reverse primer HIGCA specific for the nucleic acid encoding a CH segment of the IgA heavy chain

<400> 44

tttcgctcca ggtcacactg

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<212> DNA  
<213> Artificial

<220>  
<221> source  
<222> 1..19

<223> /note="Description of artificial sequence: CH reverse probe specific for the nucleic acid encoding a CH segment of the IgA heavy chain

<400> 45  
tcagcgggaa gaccttggg

19

<210> 46  
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<212> DNA  
<213> Artificial

<220>  
<221> source  
<222> 1..15

<223> /note="Description of artificial sequence: CH reverse hydrolysis probe specific for the nucleic acid encoding a CH segment of the IgA heavy chain

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<210> 47  
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<220>  
<221> source  
<222> 1..21

<223> /note="Description of artificial sequence: VH4 internal forward primer specific for the nucleic acid encoding a VH segment of the VH4 subgroup

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